Probability - Odds

$$Probability = \frac{success}{total} = \frac{success}{success + failure}$$

$$Odds = \frac{success}{failure}$$

To convert probability to odds and odds to probability, we can formalize what we just did using this procedure.

- 1. Write the information given with its respective ratio
- 2. Determine the value of s and f
- 3. Write the ratio for the information you are looking for
- 4. Plug in the values of s and f

Convert the following odds to probability

1. 2 to 5

2. 3 to 7

3. 1:1

4. 4:5

5. 4/5

6. 7/8

7. 1 to 2

8. 5:9

Convert the following probabilities to odds

9. ¾

10. 70%

11. 3/5

12. .08

13. 7%

14. .2

15. 5/8

16. 2/7